AMENDMENTS TO CLAIMS

1. (Currently amended) An electrode needle comprising a shaft and at least one active electrode provided on the shaft, characterized in that the shaft has a casing surrounding a lumen and said shaft includes a nuclear magnetic resonance-active marker element which is spatially associated with the active electrode, said marker element being in the form of a wire and located within said shaft and extending over the entire axial length of the active electrode.

2. (Canceled)

3. (Currently amended) An electrode needle as set forth in claim 1 having two active electrodes characterized in that the nuclear magnetic resonance-active marker element extends over the entire axial length of ~~a~~ said ~~plurality of~~ active electrodes and the intermediate spaces between ~~them~~said electrodes.

4. (Canceled)

5. (Canceled)

6. (Canceled)

7. (Canceled)

8. (Previously presented) An electrode needle as set forth in claim 1 characterized in that the nuclear magnetic resonance-active marker element is in the form of a coating which preferably contains ferromagnetic material.

9. (Currently amended) An electrode needle as set forth in claim 8 characterized in that ~~the shaft has a casing with an inside, the casing surrounding the lumen, and~~ the coating ~~being~~ is applied to the inside of the casing.

10. (Previously presented) An electrode needle as set forth in claim 8 characterized in that the active electrode encloses an axial portion of the shaft, wherein the coating is arranged between the shaft and the active electrode.

11. (Currently amended) An electrode needle ~~as set forth in one of claim 1~~ comprising a shaft and at least one active electrode provided on the shaft, characterized in that the shaft has a casing surrounding a lumen and said shaft includes a nuclear magnetic resonance-active marker element which is spatially associated with the active electrode, said marker being n~~uclear magnetic resonance active marker element is~~ in the form of a sleeve and extending over the entire axial length of the active electrode.

12. (Previously presented) An electrode needle as set forth in claim 11 characterized in that the active electrode encloses an axial portion of the shaft, wherein the sleeve is arranged between the shaft and the active electrode.

13. (Previously presented) An electrode needle as set forth in one of claim 1 characterized in that the nuclear magnetic resonance-active marker element is in the form of a wire coil.

14. (Previously presented) An electrode needle as set forth in claim 13 characterized in that the wire coil is tuned to a frequency of the nuclear magnetic resonance tomograph.

15. (Previously presented) An electrode needle as set forth in claim 13 characterized in that the wire coil is a helical spring.

16. (Previously presented) An electrode needle as set forth in one of claim 1 characterized in that the nuclear magnetic resonance-active marker element is in the form of a straight, nuclear magnetic resonance-active wire preferably containing ferromagnetic material.